INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/03368

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G01N 27/26, 27, 447 US CL : 204/547, 643 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 204/547, 643 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ar	ppropriate, of the relevant passages	Relevant to claim No.
Х	US 2003/0098248 A1 (VOGEL et al) 29 May 2003 (29.05.2003), Entire document.	1-14
х	US 2002/0088712 A1 (MILES) 11 July 2002 (11.07.2002), Entire document.		1-4 and 6-13
Y			5 and 14
Y	WO 03/093791 A2 (ALBRITTON et al) 13 November 2003 (13.11.2003), Especially paragraphs 053 and 060. US 6,440,285 B1 (FUHR) 27 August 2002 (27.08.2002), Entire document.		5 and 14
x			1-3 and 6-12
х —	US 2002/0125138 A1 (MEDORO) 12 September 2002 (12.09.2002), Entire document.		1, 2, and 6-12
Y			3
- 'urther	documents are listed in the continuation of Box C.	See patent family annex.	=
Special categories of cited documents:		"T" later document published after the inte	
"A" document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier application or patent published on or after the international filing date		"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the	e art
"P" document published prior to the international filing date but later than the priority date claimed		*&* document member of the same patent family	
•		Date of mailing of the international search report 27 MAY 2005	
04 May 2003 (04:03:2003)			
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450		Authorized officer Jeffrey T. Barton Farale Telephone No. (571)272-1307	
Facsimile No. (703) 305-3230			

Form PCT/ISA/210 (second sheet) (January 2004)